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Reference document CN1161971

Claims

1. An ajimycin crystallization, characterized in that it comprises less than 4% of adsorption water at an ambient temperature.
2. An ajimycin crystallization according to claim 1, characterized in that it has the following features: UV-absorption spectrum  $\lambda_{\max}$  is 207.7nm;  $^1\text{H-NMR}(\text{CDCl}_3)$   $\delta$  is 2.28[3'-N(CH<sub>3</sub>)<sub>2</sub>], 2.34(9a-NCH<sub>3</sub>);  $^{13}\text{C-NMR}(\text{CDCl}_3)$   $\delta$  is 178.91(C-1), 78.14 and 83.32(C-3, C-5), 36.14(9a-NCH<sub>3</sub>), 40.34[3'-NC(CH<sub>3</sub>)<sub>2</sub>]; IR: testing said ajimycin crystallization using potassium bromide and finding that it has characteristic absorption peaks at 3600-3400 $\text{cm}^{-1}$ , 3020-2780 $\text{cm}^{-1}$ , 1719 $\text{cm}^{-1}$ , 1460-1340 $\text{cm}^{-1}$ , 1380 $\text{cm}^{-1}$  and 1200-1000 $\text{cm}^{-1}$ .
3. A process for preparing an ajimycin crystallization according to claim 1, characterized in that said ajimycin crystallization is obtained by dissolving a water-contained ajimycin in the mixture of water soluble organic solvent and water, crystallizing and then drying the resulted mixture.
4. A process according to claim 3, wherein the relative weight ratio of water-contained ajimycin:water:water soluble organic solvent is 1: 30-1000: 9-16.
5. A process according to claim 3 or 4, characterized in that the water soluble organic solvent is selected from the group consisting of ethanol, acetone, iso-propanol, propanol, 1,2-propylene glycol, propionitrile, 2-chlorohydrin, N,N,N',N'-tetramethylurea, N-methylpyrrolidone, allyl alcohol or a mixture thereof.
6. A process according to claim 4, characterized in that the organic solvent is preferably acetone, ethanol or a mixture thereof.
7. A process according to claim 3, characterized in that the drying is vacuum drying for 4 to 5 hours.

**LISTING OF CLAIMS:**

1. (Previously amended) A[n] non-hygroscopic ethanolate of azithromycin having an ethanol content of about 1.5% to about 3%.
2. (Original) The ethanolate of claim 1, having a water content of about 2% to about 4%.
3. (Original) The ethanolate of claim 2, wherein the water content is between about 2.5% and about 3.5%.
4. (Original) The ethanolate of claim 1, wherein the ethanol content is about 1.5% to about 2.5%.
5. (Original) The ethanolate of claim 4, wherein the water content is about 2% to about 4%.
6. (Previously amended) The ethanolate of claim 5, wherein the water content is between [about 1.5% and] about 2.5% and about 3.5%.
7. (Currently amended) A[n] non-hygroscopic ethanolate of azithromycin having an ethanol content of about 1.5% to about 3% that is characterized by a powder x-ray diffraction pattern substantially as depicted in FIG. 2.
- 8-40. (Canceled)